

Fig.1a

	10	20	30	40	50	
MP 52	CSRKALHVN	F KDMGWDDWII	APLEYEAFHC	EGLCEFPLRS	HLEPTNHAVI	
BMP 2	CKRHPLYVDF	SDVGWNDWIV	APPGYHAFYC	HGECPFPLAD	HLNSTNHAIV	
BMP 4	CRRHSLYVDF	SDVGWNDWIV	APPGYQAFYC	HGDCPFPLAD	HLNSTNHAIV	
BMP 5	CKKHELYVSF	RDLGWQDWII	APEGYAIFYC	DGECSEPLNA	HMNATNHAIV	
BMP 6	CRKHELYVSF	QDLGWQDWII	APKGYAANYC	DGECSEPLNA	HMNATNHAIV	
BMP 7	CKKHELYVSF	RDLGWQDWII	APEGYAIFYC	EGECAPFLNS	YMNATNHAIV	
	* + * * *	* * * * * *	* * * * *	* * * * * *	* * * * *	
	60	70	80	90	100	
MP 52	QTLMNSMDPE	STPPTCCVPT	RLSPISILFI	DSANNVYKQ	YEDMVVESC	CR
BMP 2	QTLVNSVNS-	KIPKACCVPT	ELSAISMLYL	DENEKVVLKN	YQDMVVEGC	CR
BMP 4	QTLVNSVNS-	SIPKACCVPT	ELSAISMLYL	DEYDKVVLKN	YQEMVVEGC	CR
BMP 5	QTLVHLMFPD	HVPKPCCAPT	KLNAISVLYF	DDSSNVILKK	YRNMVVRSC	CH
BMP 6	QTLVHLMNPE	YVPKPCCAPT	KLNAISVLYF	DDNSNVILKK	YRNMVVRAC	CH
BMP 7	QTLVHFINPE	TVPKPCCAPT	QLNAISVLYF	DDSSNVILKK	YRNMVVRAC	CH
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Fig. 1b

	10	20	30	40
MP12I	CCRQEFFVDF	REIGWHDWII	QPEGYAMNFC	IGQCPLHIAG
Inhib β A	CCKKQFFVSF	KDIGWNDWII	APSGYHANYC	EGECPSHIAG
Inhib β B	CCRQFFIDF	RLIGWNDWII	APTGYYGNYC	EGSCPAYLAG
Inhib α	CHRVALLNISF	QELGWERWIV	YPPSFIFHYC	HGGCGGLHIP-
	+++++	+++++	+++	* * * * *
	50	60	70	80
MP12I	MPGIAASFHT	AVLNLLKANT	AAGTTGGGSC	C--VPTARRP
Inhib β A	TSGSSLFSHS	TVINHYRMRG	HSPFANLKSC	C--VPTKLRP
Inhib β B	VPGSASSFHT	AVVNQYRMRG	LNP-GTVNSC	C--IPTKLST
Inhib α	--PNLSLPV	PGAPPTPAQP	YSLLPQAQPC	CAALPGTMRP
	++	+++++	++	* * * * *
	90	100	110	
MP12I	LSLLYYDRDS	NIVKTD-IPD	MVVEACGCS	
Inhib β A	MSMLYYDDGQ	NIKKD-IQN	MIVEECGCS	
Inhib β B	MSMLYFDDEY	NIVKRD-VPN	MIVEECGCA	
Inhib α	LHVRTTSDGG	YSFKYETVPN	LLTQHCACI	
	++	+++++	++	* * * * *

Fig.2a

	Eco RI Nco I
OD	ATGAATTCCCATGGACCTGGGCTGGMAKGAMTGGAT
BMP 2	ACGTGGGGTGGAAATGACTGGAT
BMP 3	ATATTGGCTGGAGTGAATGGAT
BMP 4	ATGTGGGCTGGAATGACTGGAT
BMP 7	ACCTGGGCTGGCAGGACTGGAT
TGF- β 1	AGGACCTCGGCTGGAAGTGGAT
TGF- β 2	GGGATCTAGGGTGGAAATGGAT
TGF- β 3	AGGATCTGGGCTGGAAGTGGGT
inhibin α	AGCTGGGCTGGGAACGGTGGAT
inhibin β A	ACATCGGCTGGAATGACTGGAT
inhibin β B	TCATCGGCTGGAACGACTGGAT

Fig.2b

	Eco RI
OID	ATGAATTCGAGCTGCGTSGGSRACACAGCA
BMP 2	GAGTTCTGTCGGGACACAGCA
BMP 3	CATCTTTTCTGGTACACAGCA
BMP 4	CAGTTCAGTGGGCACACAACA
BMP 7	GAGCTGCGTGGGCGCACAGCA
TGF- β 1	CAGCGCCTGCGGCACGCAGCA
TGF- β 2	TAAATCTTGGGACACGCAGCA
TGF- β 3	CAGGTCCTGGGGCACGCAGCA
inhibin α	CCCTGGGAGAGCAGCACAGCA
inhibin β A	CAGCTTGGTGGGCACACAGCA
inhibin β B	CAGCTTGGTGGGAATGCAGCA

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